FIG. 1

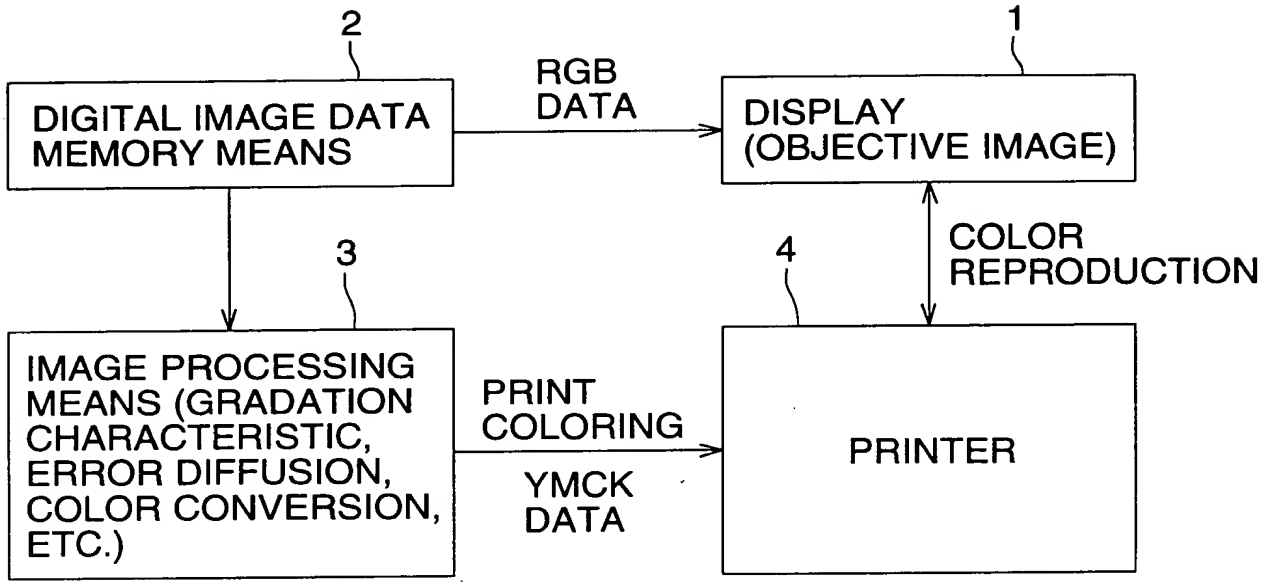

2
DIGITAL IMAGE DATA MEMORY MEANS
RGB DATA
1
DISPLAY (OBJECTIVE IMAGE)
COLOR REPRODUCTION
3
IMAGE PROCESSING MEANS (GRADATION CHARACTERISTIC, ERROR DIFFUSION, COLOR CONVERSION, ETC.)
PRINT COLORING
YMCK DATA
4
PRINTER

FIG. 2

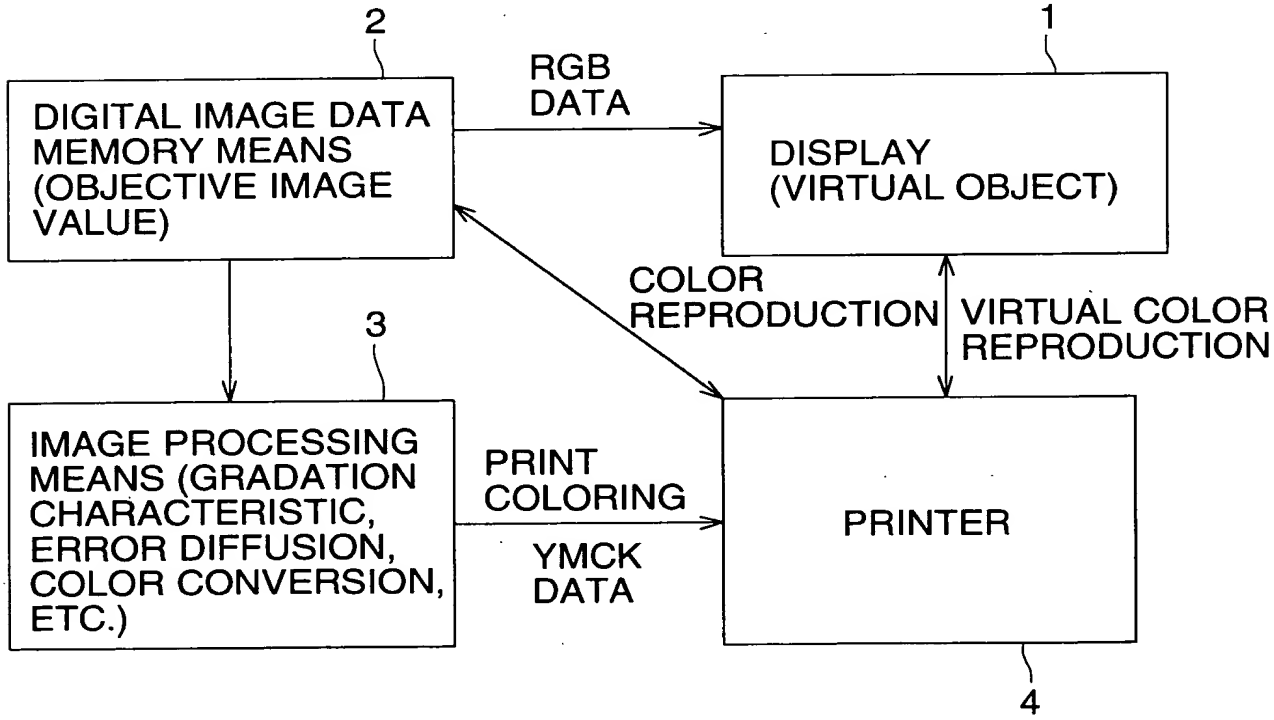

2
DIGITAL IMAGE DATA MEMORY MEANS (OBJECTIVE IMAGE VALUE)
RGB DATA
1
DISPLAY (VIRTUAL OBJECT)
COLOR REPRODUCTION
VIRTUAL COLOR REPRODUCTION
3
IMAGE PROCESSING MEANS (GRADATION CHARACTERISTIC, ERROR DIFFUSION, COLOR CONVERSION, ETC.)
PRINT COLORING
YMCK DATA
PRINTER
4

FIG. 3 (a)

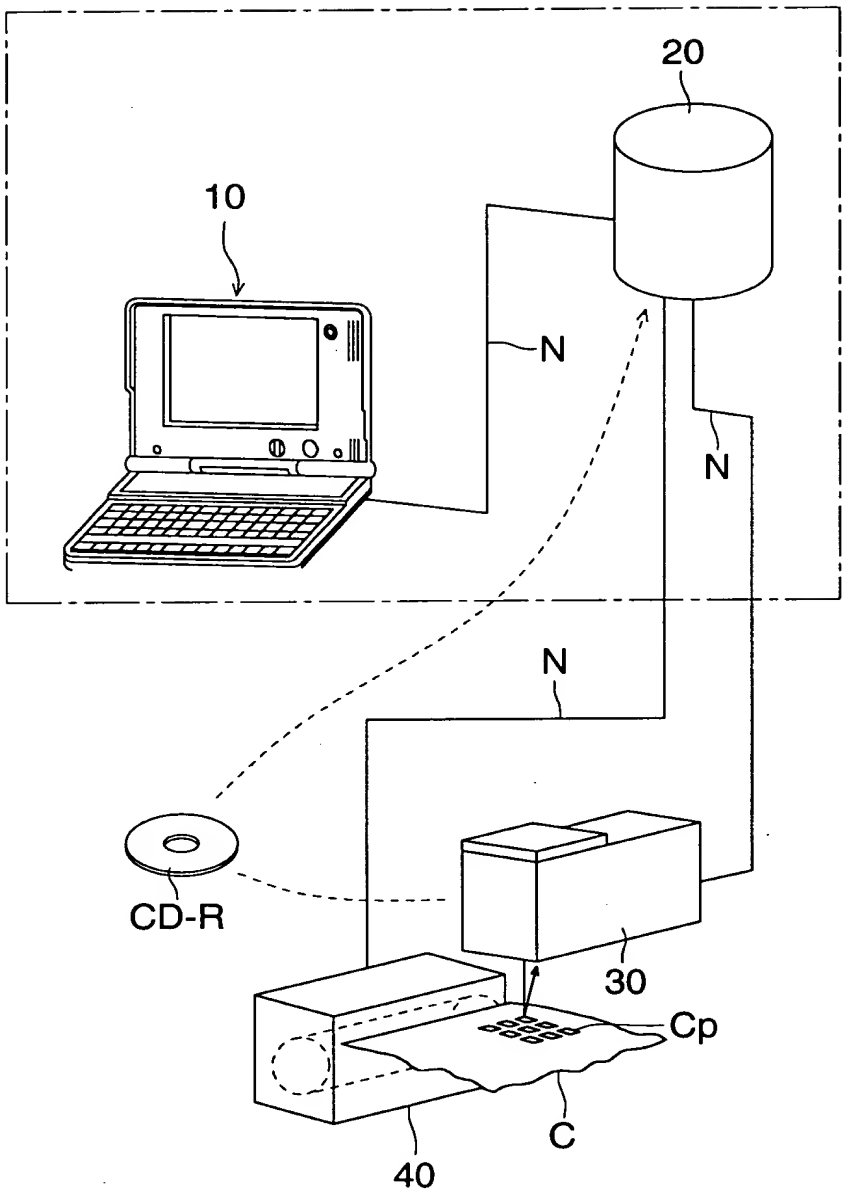


FIG. 3 (b)

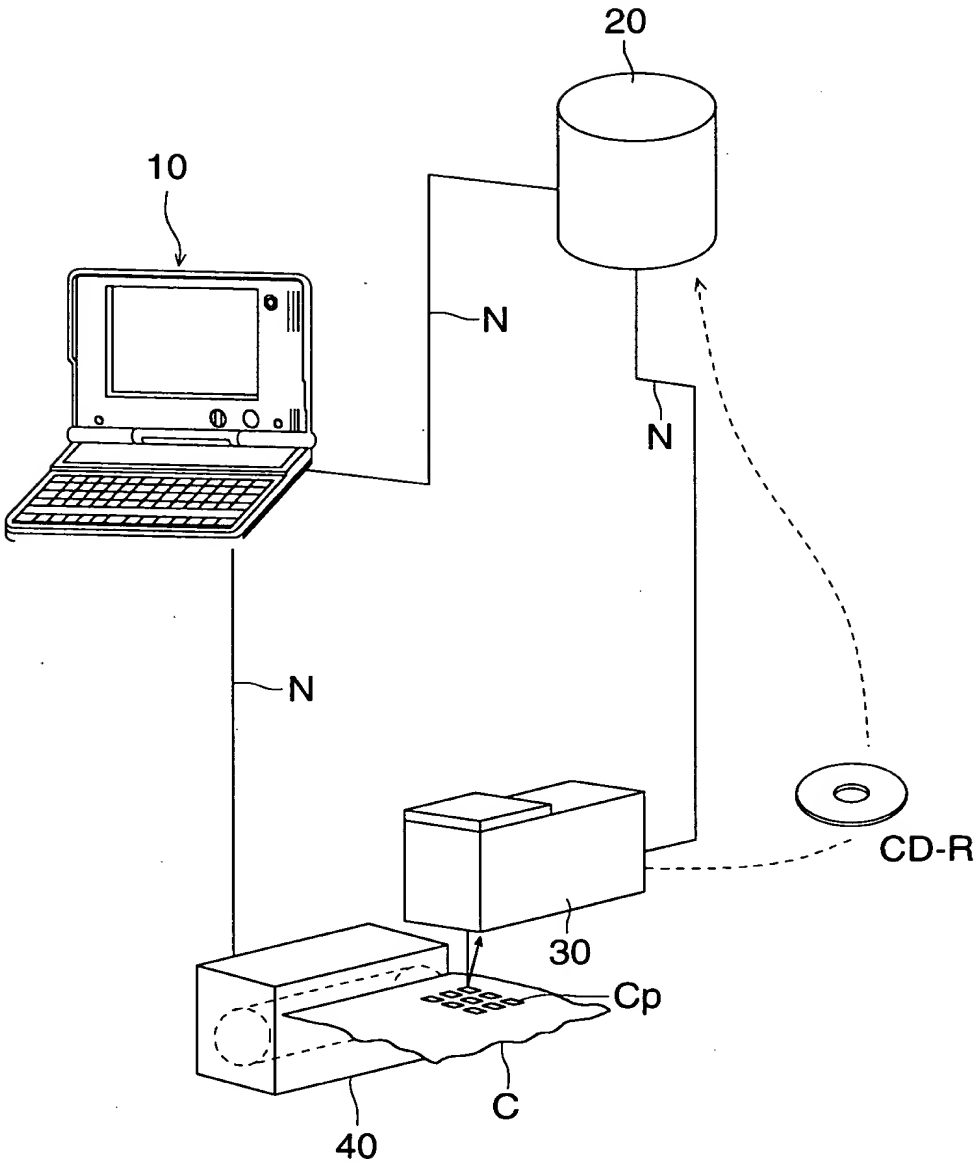


FIG. 4

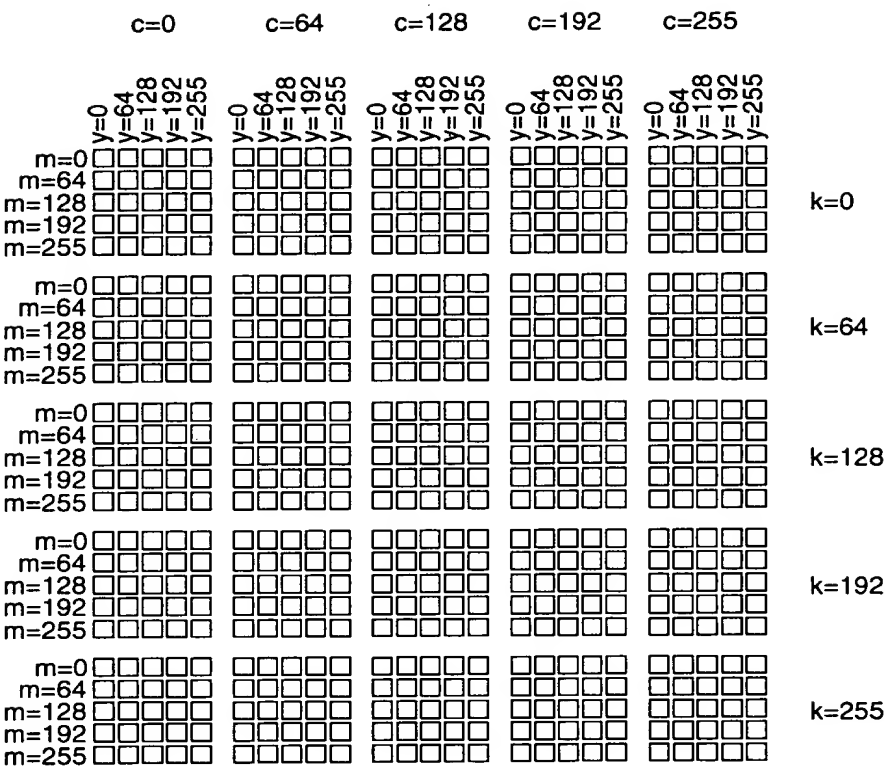

c=0
c=64
c=128
c=192
c=255
y=0
y=64
y=128
y=192
y=255
m=0
m=64
m=128
m=192
m=255
k=0
k=64
k=128
k=192
k=255

FIG. 5

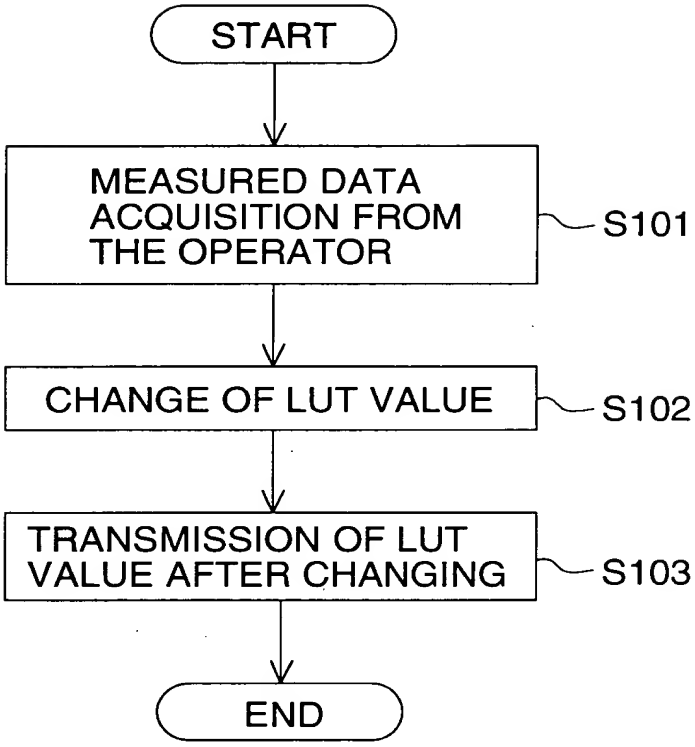
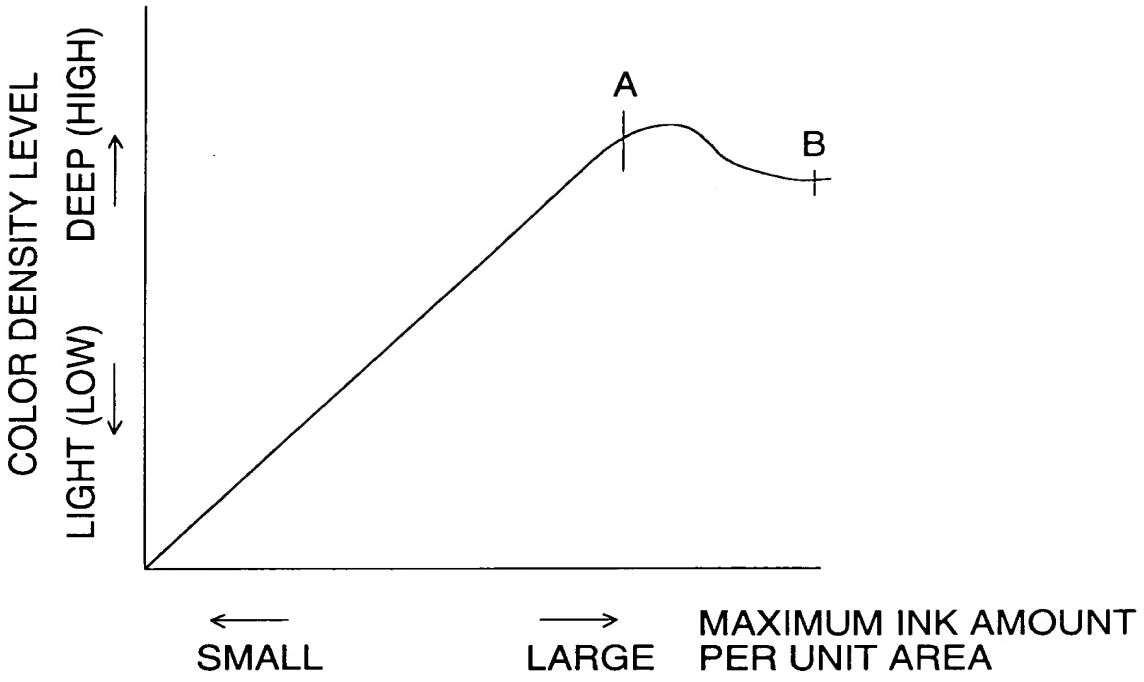

START
MEASURED DATA ACQUISITION FROM THE OPERATOR
S101
CHANGE OF LUT VALUE
S102
TRANSMISSION OF LUT VALUE AFTER CHANGING
S103
END

FIG. 6


COLOR DENSITY LEVEL
DEEP (HIGH)
LIGHT (LOW)
A
B
SMALL
LARGE
MAXIMUM INK AMOUNT
PER UNIT AREA